

INTERNATIONAL SEARCH REPORT

International Application No

PCT/CH 03/00782

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B63H20/10 B63H5/125 B63H20/18 B63H20/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B63H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 136 283 A (MCCORMICK DANIEL F) 9 June 1964 (1964-06-09)	1-12
Y	column 2, line 59 - column 3, line 23; figures 1-5	13
Y	US 3 241 511 A (DRTINA OTTO V) 22 March 1966 (1966-03-22) column 9, line 18 - column 10, line 50; figures 12,12B	1-12
Y	US 4 925 414 A (NEWMAN NEIL A) 15 May 1990 (1990-05-15) column 3, line 30 - line 35; figure 1	1-12
Y	DE 34 34 211 A (VOLVO PENTA AB) 4 April 1985 (1985-04-04) abstract; figure 2	13
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

14 April 2004

Date of mailing of the international search report

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 143 614 A (VAGNER DANIEL ET AL) 13 March 1979 (1979-03-13) column 4, line 7 - line 41; figures 5-9 -----	1
A	US 3 448 710 A (GASKINS THOMAS) 10 June 1969 (1969-06-10) column 5, line 29 - line 50; figures 7,8 -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 3136283	A	09-06-1964	NONE
US 3241511	A	22-03-1966	NONE
US 4925414	A	15-05-1990	NONE
DE 3434211	A	04-04-1985	SE 449080 B 06-04-1987 AU 572557 B2 12-05-1988 AU 3286684 A 28-03-1985 CA 1241873 A1 13-09-1988 DE 3434211 A1 04-04-1985 FR 2552049 A1 22-03-1985 GB 2146602 A , B 24-04-1985 IT 1179246 B 16-09-1987 JP 60236895 A 25-11-1985 SE 8305027 A 20-03-1985 US 4624643 A 25-11-1986 US 4741713 A 03-05-1988
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